

WHAT IS CLAIMED IS:

1. A pump for pumping a material, comprising:
  - a motor;
  - a molded tube; and
  - one or more compression heads coupled to the motor and adapted to compress the molded tube for pushing the material in a desired flow direction.
2. The pump of Claim 1, wherein the molded tube comprises a first section having a first inside diameter, and a second section having a second inside diameter greater than the first inside diameter.
3. The pump of Claim 2, and further comprising a fitment coupled to the second section.
4. The pump of Claim 2, wherein the first section is a discharge end of the molded tube.
5. The pump of Claim 1, wherein the molded tube comprises an injection molded tube.
6. A fluid delivery system, comprising:
  - a peristaltic pump;
  - a molded tube coupled to the peristaltic pump through which the fluid flows;
  - a supply of the fluid coupled to the molded tube upstream of the peristaltic pump;
  - and
  - a dispenser coupled to the molded tube downstream of the peristaltic pump.
7. The system of Claim 6, wherein the molded tube comprises a first section having a first inside diameter, and a second section having a second inside diameter greater than the first inside diameter.
8. The system of Claim 7, and further comprising a fitment coupled to the second section.
9. The system of Claim 7, wherein the first section is a discharge end of the molded tube.

10. The system of Claim 6, wherein the molded tube comprises an injection molded tube.
11. The system of Claim 6, wherein the fluid is a beverage concentrate.
12. The system of Claim 6, wherein the fluid is a pharmaceutical.
13. A method of forming a molded tube for a peristaltic pump, comprising:
  - providing a core and a fitment;
  - providing a cavity adapted to mate with the core and fitment;
  - injecting material into the cavity for forming the molded tube around at least a part of the core and fitment; and
  - ejecting the molded tube and fitment from the core.
14. The method of Claim 13, wherein the injected material comprises a thermosetting elastomer.
15. The method of Claim 13, wherein ejecting comprises ejecting the molded tube and fitment by supplying a gas through the core.
16. The method of Claim 13, wherein providing a fitment comprises forming the fitment and placing the fitment on the core.
17. The method of Claim 13, wherein providing a fitment comprises molding the fitment in place on the core.
18. The method of Claim 13, and further comprising forming a weakened area on the molded tube for removing an end of the tube.
19. The method of Claim 18, and further comprising forming a removal tab proximate to the weakened area.

20. The method of Claim 13, wherein the fitment has a fitment inside diameter, and the fitment inside diameter is greater than or equal to an inside diameter of a portion of the molded tube not formed around the fitment.
21. The method of Claim 13, wherein the molded tube has a discharge end with an inside diameter different than a portion of the molded tube not formed around the fitment.